IN THE CLAIMS:

Please amend Claim 1 as set forth in the following listing of claims, which will replace all prior versions, and listings, of the claims in the application:

- 1. (Currently amended) A lightweight ballistic resistant rigid structural panel, comprising:
- a plurality of sheets of flexible, high-tensile strength fabric interleaved with a plurality of sheets of a fusible film adhesive;
- a sheet of cushioning material adhered to the plurality of sheets of flexible, high-tensile strength fabric to form a panel core <u>not less than about 0.25 inches thick,</u> wherein the cushioning material is configured to maintain structural integrity of the rigid panel after a ballistic impact, while allowing local deformation of the plurality of sheets of flexible, high tensile strength fabric near the ballistic impact;
- a first fiber-reinforced face skin adhered to a surface of the panel core; and a second fiber-reinforced face skin adhered to the panel core opposite to the first fiber-reinforced face skin, wherein the panel core is interposed between the first fiber-reinforced face skin and the second fiber-reinforced face skin so as to stiffen the rigid structural panel by being bonded to the first and second fiber-reinforced face skins while maintaining a uniform separation therebetween, and the first and second fiber-

reinforced face skins are each configured to have a tensile strength not less than about

40,000 PSI and a thickness not less than about 0.06 inches.

2. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the rigid structural panel has an area density not greater than 2.5 pounds per square foot.

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- 3. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the rigid structural panel has an area density not less than 1.8 pounds per square foot and not greater than 2.5 pounds per square foot.
- 4. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the rigid structural panel has a ballistic resistance not less than level IIIA set forth in National Institute of Justice Standard 0101.04.
- 5. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the rigid structural panel has a rigidity not less than a honeycomb-core structural panel of equivalent thickness.
- 6. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the rigid structural panel has an area density not greater than 2.5 pounds per square foot, a ballistic resistance not less than level IIIA set forth in National Institute of Justice Standard 0101.04, and a rigidity not less than a honeycomb-core structural panel of equivalent thickness.
- 7. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein each of the sheets of flexible, high-tensile strength fabric is selected from the group consisting of a woven fabric and a unidirectional fabric.
- 8. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein each of the sheets of flexible, high-tensile strength fabric is made from a fiber material selected from aramid fiber, ultra high molecular weight polyethylene fiber, and PBO fiber.

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- 9. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein each of the sheets of flexible, high-tensile strength fabric has a tensile strength not less than 100 pounds per inch of width, for every ounce per square yard of fabric weight.
- 10. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the sheets of flexible, high-tensile strength fabric number not less than 12 and not more than 33.
- 11. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the panel core is not less than 0.25 inches thick, and not greater than 2 inches thick.
- 12. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein each of the sheets of fusible film adhesive is made of a material selected from an ionic copolymer, an epoxy, and a polyurethane material.
- 13. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the sheet of cushioning material is selected from an aramid honeycomb material, an aluminum honeycomb material, and a polyurethane foam material.
- 14. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the sheet of cushioning material has a density not less than 3 pounds per cubic foot and not greater than 8 pounds per cubic foot.
- 15. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein the first face skin and the second face skin are fiberglass woven roving materials impregnated with a phenolic resin.

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- 16. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, wherein each of the first face skin and the second face skin are not less than 0.02 inches thick, and not greater than 0.10 inches thick.
- 17. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, further comprising a cut-resistant layer adhered to an outer surface of at least one of the first face skin and the second face skin.
- 18. (Previously presented) The lightweight ballistic resistant rigid structural panel of Claim 17, wherein the cut-resistant layer is a stainless steel mesh.
- 19. (Original) The lightweight ballistic resistant rigid structural panel of Claim 1, further comprising at least one layer of gummy resin in the panel core between the first face skin and the second face skin.